1 INTRODUCTION

1.1 Overview

Visual representation of population analysis:

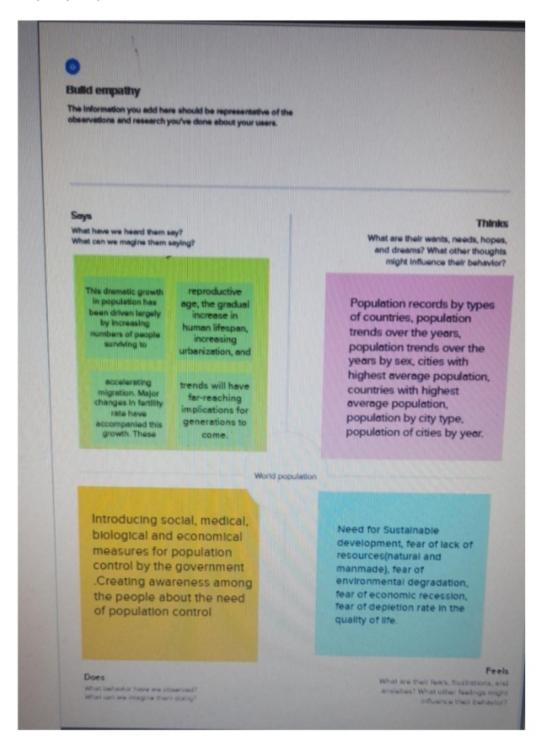
- o Population records by types of countries
- o Population trends over the years by sex
- o Cities with highest average population
- o Population by city type

1.2 Purpose

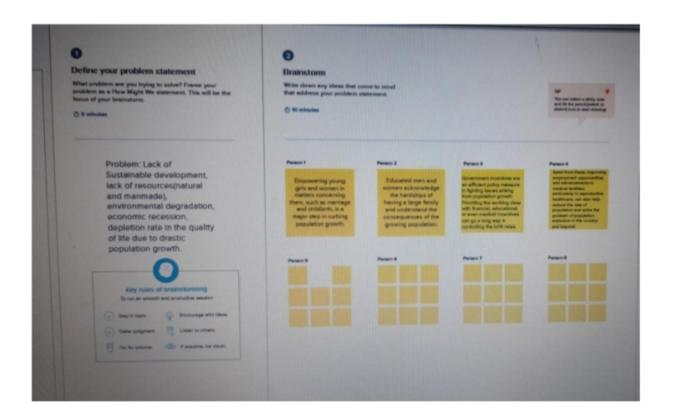
The outcome can be used to improve population control according to geographical regions, according to time period, sex ratio and urbanization.

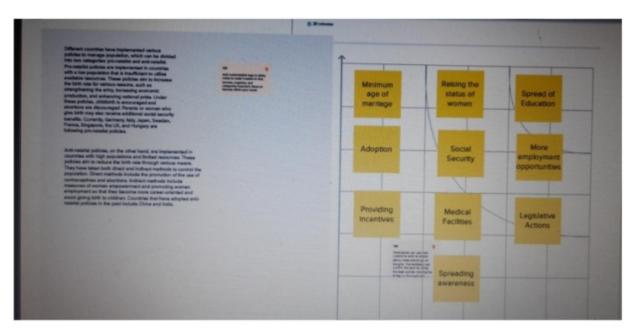
2 PROBLEM DEFINITION AND DESIGN THINKING

2.1 Empathy Map



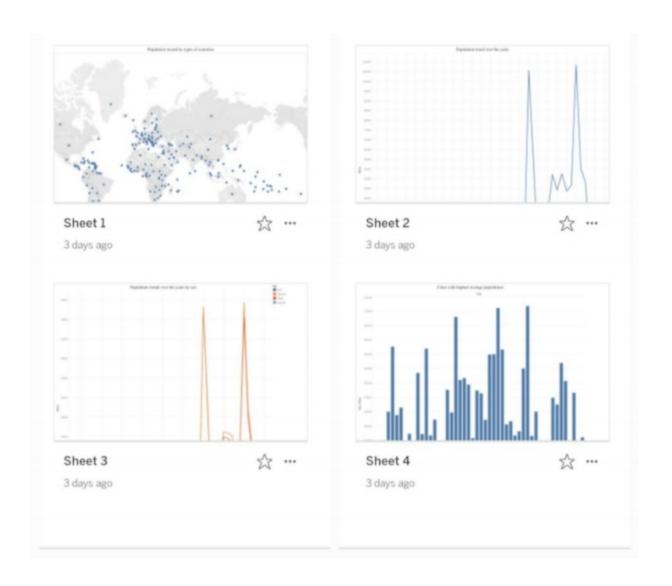
2.2 Ideation and brainstorming map





3 RESULT

- Population has started to increase exponentially in the 21st century
- o Female population has increased more than the male one
- Urban cities have more population than rural areas due to immigrateerall population has increased over the years





4 ADVANTAGES AND DISADVANTAGES

4.1 Advantages

- o Ensure sustainability on our planet
- o Mitigation of the resource depletion issue

- o Reduction in global warming
- Reduction in poverty
- Mitigation of illegal actions

4.2 Disadvantages

Interference with freedom and human rights

- o Only effective if there is a global agreement
- o Differences in countries' population structures
- o Reduction in genetic diversity

5 APPLICATIONS

in all stages of the planning process for both new and revised plans. is needed to identify problems and community needs, and objectives, allocate resources for plan implementation, and evaluate the ability of the plan to achieve goals and objectives.

6 CONCLUSION

The global human population reached 8.0 billion in mid-November 2022 from an estimated 2.5 billion people in 1950, adding 1 billion people since 2010 and 2 billion since 1998. The world's population is expected to increase by nearly 2 billion persons in the next 30 years, from the current 8 billion to 9.7 billion in 2050 and could peak at nearly 10.4 billion in the mid-

2080s. This dramatic growth has been driven largely by increasing numbers of people surviving to reproductive age, the gradual increase in human lifespan, increasing urbanization, and accelerating migration. Major changes in fertility rate have accompanied this growth. These trends will have far-reaching implications for generations to come.

7 FUTURE SCOPE

development is sustainable and inclusive. Achieving the Sustainable Development Goals, particularly those related to health, education and gender equality, can contribute to slowing global population growth.

- In countries with relatively high levels of fertility today, investments in education and health can significantly increase the positive but temporary economic impact of a favourable age distribution created by a sustained decline in fertility.
- More affluent countries bear the greatest responsibility for moving rapidly to achieve net-zero emissions of greenhouse gases and for implementing strategies to decouple human economic activity from environmental degradation.
- Wealthy countries and the international community can support low-income and lower-